



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE

SBT 504: ADVANCED BACTERIOLOGY

DATE: THURSDAY, 29TH MARCH 2012

TIME: 9.00 A.M. – 12.00 P.M.

INSTRUCTIONS: Answer any FOUR questions (25 marks each)

1. Discuss different methods used in determining the level of antibacterial activity.
2. Describe Polymerase Chain Reaction (PCR) as a tool used in bacterial identification.
3. Describe methods of estimating bacterial numbers using solid and liquid media.
4. Discuss the different types of electron microscopes used in bacteriological work.
5. Discuss growth cycle of bacteria in a batch culture.
